MODIFIED ESTIMATE

BRUHAT BANGALORE MAHANAGARA PALIKE

E OF THE PROJECT: IMPROVEMENTS TO KALYANI AT YELAHANKA LAKE IN KEMPEGOWDA WARD NO-01

Modified Estimation

ent Sri. P.Dhamodara Raju, No: 19, 3rd Floor, 1st main, Nrupathunganagara, J.P.Nagara, 7th Phase, Bangalore-560078

Est.Cost.Rs. 10237164.40

. NO	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
n No.01	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications Dismantling brick/Tile work B. In cement mortar. Complete as per specifications and the directions of the Engineer-in-charge								
	At Kalyani								
	North Side								
	Treads	Cum	1	27.5	0.5	0.10	1.38		
		Cum	1	27	0.5	0.10	1.35		
		Cum	1	26.5	0.5	0.10	1.33		
		Cum	1	26	0.5	0.10	1.30		
		Cum	1	25.5	0.5	0.10	1.28		
		Cum	1	25	0.5	0.10	1.25		
		Cum	1	24.5	0.5	0.10	1.23		
		Cum	1	24	0.5	0.10	1.20		
		Cum	1	23.5	0.5	0.10	1.18		
		Cum	1	23	0.5	0.10	1.15		
		Cum	1	22.5	0.5	0.10	1.13		
		Cum	1	21.95	0.5	0.10	1.10		
		Cum	1	21.45	0.5	0.10	1.07		
		Cum	1	21.02	0.5	0.10	1.05		
	Rise	Cum	1	27.5	0.1	0.13	0.36		
		Cum	1	27	0.1	0.24	0.65		
		Cum	1	26.5	0.1	0.23	0.61		
		Cum	1	26	0.1	0.20	0.52		
		Cum	1	25.5	0.1	0.23	0.59		
		Cum	1	25	0.1	0.23	0.58		
		Cum	1	24.5	0.1	0.23	0.56		
		Cum	1	24	0.1	0.24	0.58		
		Cum	1	23.5	0.1	0.22	0.52		
		Cum	1	23	0.1	0.17	0.39		
		Cum	1	22.5	0.1	0.18	0.41		
		Cum	1	21.95	0.1	0.15	0.33		
		Cum	1	21.45	0.1	0.16	0.34		
		Cum	1	21.02	0.1	0.17	0.36		
		Cum	1	21.02	0.1	0.17	0.36		
	Top	Cum	1	29.5	2.1	0.10	6.20		
	South Side								
	Treads	Cum	1	27.5	0.5	0.10	1.38		
		Cum	1	27	0.5	0.10	1.35		
		Cum	1	26.5	0.5	0.10	1.33		
		Cum	1	26	0.5	0.10	1.30		
		Cum	1	25.5	0.5	0.10	1.28		
		Cum	1	25	0.5	0.10	1.25		
		Cum	1	24.5	0.5	0.10	1.23		
		Cum	1	24	0.5	0.10	1.20		
		Cum	1	23.5	0.5	0.10	1.18		
		Cum	1	23	0.5	0.10	1.15		
		Cum	1	22.5	0.5	0.10	1.13		
		Cum	1	21.95	0.5	0.10	1.10		
		Cum	1	21.45	0.5	0.10	1.07		
		Cum	1	21.02	0.5	0.10	1.05		

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	Rise	Cum	1	27.5	0.1	0.13	0.36		
		Cum	1	27	0.1	0.24	0.65		
		Cum	1	26.5	0.1	0.23	0.61		
		Cum	1	26	0.1	0.20	0.52		
		Cum	1	25.5	0.1	0.23	0.59		
		Cum	1	25	0.1	0.23	0.58		
		Cum	1	24.5	0.1	0.23	0.56		
		Cum	1	24	0.1	0.24	0.58		
		Cum	1	23.5	0.1	0.22	0.52		
		Cum	1	23	0.1	0.17	0.39		
		Cum	1	22.5	0.1	0.18	0.41		
		Cum	1	21.95	0.1	0.15	0.33		
		Cum	1	21.45	0.1	0.16	0.34		
		Cum	1	21.02	0.1	0.17	0.36		
		Cum	1	21.02	0.1	0.17	0.36		
	Top	Cum	1	29.5	2.1	0.10	6.20		
	West Side								
	Treads	Cum	1	34.5	0.5	0.10	1.73		
		Cum	1	33.5	0.5	0.10	1.68		
		Cum	1	32.5	0.5	0.10	1.63		
		Cum	1	31.5	0.5	0.10	1.58		
		Cum	1	30.45	0.5	0.10	1.52		
		Cum	1	29.5	0.5	0.10	1.48		
		Cum	1	28.55	0.5	0.10	1.43		
		Cum	1	27.56	0.5	0.10	1.38		
		Cum	1	26.58	0.5	0.10	1.33		
		Cum	1	25.6	0.5	0.10	1.28		
		Cum	1	24.61	0.5	0.10	1.23		
		Cum	1	23.55	0.5	0.10	1.18		
		Cum	1	22.5	0.5	0.10	1.13		
		Cum	1	21.45	0.5	0.10	1.07		
	Rise								
		Cum	1	34.5	0.1	0.13	0.45		
		Cum	1	33.5	0.1	0.24	0.80		
		Cum	1	32.5	0.1	0.23	0.75		
		Cum	1	31.5	0.1	0.20	0.63		
		Cum	1	30.45	0.1	0.23	0.70		
		Cum	1	29.5	0.1	0.23	0.68		
		Cum	1	28.55	0.1	0.23	0.66		
		Cum	1	27.56	0.1	0.24	0.66		
		Cum	1	26.58	0.1	0.22	0.58		
		Cum	1	25.6	0.1	0.20	0.51		
		Cum	1	24.61	0.1	0.18	0.44		
		Cum	1	23.55	0.1	0.15	0.35		
		Cum	1	22.5	0.1	0.17	0.38		
		Cum	1	21.45	0.1	0.17	0.36		
		Cum	1	21.45	0.1	0.17	0.36		
	Top	Cum	1	34.5	2.1	0.10	7.25		
						Total Executed Quantity	95.80	468.86	44916.10
						Tender Quantity	95.80		
Item No. 02	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods Complete as per specifications and the directions of the Engineer-in-charge									
	SSM Excavation for GYM Equipment Platform									
	Longer Direction	Cum	2	9.15	0.9	0.60	9.88		
	Shorter Direction	Cum	2	3.7	0.9	0.60	4.00		
	Platform	Cum	1	1.89	0.9	0.60	1.02		
	Steps	Cum	2	1.89	0.9	0.60	2.04		
	Sump								
	For sump	cum	1	1.5	1.5	1.60	3.60		
						Total Executed Quantity	20.54	506.50	10403.50
						Tender Quantity	53.48		

No.	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift.Complete as per specifications and the directions of the Engineer-in-charge								
	Retaining wall								
	Base concrete	Cum	4	1.85	2.2	0.15	2.44		
	Shiva temple								
	base concrete	Cum	4	1.82	2.2	0.15	2.40		
	SSM Excavation for GYM Equipment Platform								
	Longer Direction	Cum	2	9.15	0.9	0.10	1.65		
	Shorter Direction	Cum	2	3.7	0.9	0.10	0.67		
	Platform	Cum	1	1.89	0.9	0.10	0.17		
	Steps	Cum	2	1.89	0.9	0.10	0.34		
						Total Executed Quantity	**7.67**	**2740.06**	**21010.00**
						Tender Quantity	**7.22**		
Item No. 04	Providing and laying in position plain cement concrete of mix 1:4.8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregetes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing Complete as per specifications and the directions of the Engineer-in-charge								
	SSM Below								
	Longer Direction	Cum	2	9.15	0.9	0.15	2.47		
	Shorter Direction	Cum	2	3.7	0.9	0.15	1.00		
	Platform	Cum	1	1.89	0.9	0.15	0.26		
	Steps	Cum	2	1.89	0.9	0.15	0.51		
	For sump	Cum	1	1.50	1.50	0.10	0.23		
						Total Executed Quantity	**4.46**	**5755.36**	**25668.70**
						Tender Quantity	**11.05**		
Item No. 05	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing Complete as per specifications and the directions of the Engineer-in-charge								
	Platform	Cum	1	5.50	9.15	0.15	7.55		
		Cum	1	1.89	0.60	0.15	0.17		
						Total Executed Quantity	**7.72**	**5859.14**	**45225.90**
						Tender Quantity	**7.72**		
Item No. 06	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregetes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing Complete as per specifications and the directions of the Engineer-in-charge								
	Retaining wall								
	Base concrete	Cum	4	1.85	2.2	0.15	2.44		
	Shiva temple								
	base concrete	Cum	4	1.82	2.2	0.15	2.40		
	At Kalyani pond area	Cum	1	19.5	18.5	0.12	43.29		
	SSM Excavation for GYM								
	Longer Direction	Cum	2	9.15	0.6	0.15	1.65		
	Shorter Direction	Cum	2	4.3	0.6	0.15	0.77		
	Platform	Cum	1	1.89	0.6	0.15	0.17		
	Steps	Cum	2	1.89	0.6	0.15	0.34		
						Total Executed Quantity	**51.07**		
						Tender Quantity	**6.29**		
						Quantity Upto 125%	**7.86**	**6116.34**	**48089.80**
						Quantity Above 125%	**43.20**	**6677.79**	**288501.90**
Item No. 07	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge								
	SSM for GYM Equipment Platform								
	Longer Direction	Cum	2	9.15	0.6	0.60	6.59		

	Shorter Direction	Cum	2	4.3	0.6	0.60	3.10		
	Platform	Cum	1	1.89	0.6	0.60	0.68		
	Steps	Cum	1	1.89	0.6	0.60	0.68		
		Cum	1	1.89	0.23	0.60	0.26		
						Total Executed Quantity	**11.31**	**5184.56**	**58614.70**
						Tender Quantity	**26.26**		
No. 8	Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing Complete as per specifications and the directions of the Engineer-in-charge								
	SSM for GYM Equipment Platform								
	Longer Direction	Cum	2	9.15	0.60	0.45	4.94		
	Shorter Direction	Cum	2	4.30	0.60	0.45	2.32		
	Platform	Cum	1	1.89	0.60	0.45	0.51		
	Steps	Cum	1	1.89	0.60	0.23	0.26		
						Total Executed Quantity	**8.03**	**6774.00**	**54423.20**
						Tender Quantity	**31.52**		
em No. 09	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge								
	SSM for GYM Equipment Platform								
	Longer Direction	Sqm	2	9.15		0.45	8.24		
	Shorter Direction	Sqm	2	4.30		0.45	3.87		
	Platform	Sqm	2	1.89		0.45	1.70		
						Total Executed Quantity	**13.81**	**160.18**	**2211.50**
						Tender Quantity	**77.86**		
em No.10	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour Complete as per specifications and the directions of the Engineer-in-charge								
	Filling Available of Excavated Earth								
	Earth Work Excavation	Cum					67.83		
	PCC for Footing	Cum					-9.30		
	Filling in foundation with granite / trap broken metal	Cum					-7.67		
	SSM Footing	Cum					-11.31		
	Footing Concrete Quantity	Cum					-12.04		
						Total Executed Quantity	**27.51**		
						Tender Quantity	**8.95**		
						Quantity Upto 125%	**11.19**	**226.74**	**2536.70**
						Quantity Above 125%	**16.32**	**226.74**	**3701.20**
Item No. 11	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc , Complete as per specifications and the directions of the Engineer-in-charge								
	Excavated Earth	Cum					67.83		
	Filling Available of Excavated Earth						-27.51		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	1.km	For surface roads exluding loading & unloading				Basic rate	2.00	
	Average Weight of earth	For2Kms =2x1.28x2						5.12	
						Total Executed Quantity	**40.32**	**70.08**	**2825.30**
						Tender Quantity	**44.53**		

No.

Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curingComplete as per specifications and the directions of the Engineer-in-charge

North Side								
Treads	Cum	1	27.4	0.5	0.15	2.06		
	Cum	1	27	0.5	0.30	4.05		
	Cum	1	26.4	0.5	0.15	1.98		
	Cum	1	26	0.5	0.30	3.90		
	Cum	1	25.4	0.5	0.15	1.91		
	Cum	1	25	0.5	0.30	3.75		
	Cum	1	24.4	0.5	0.15	1.83		
	Cum	1	24	0.5	0.30	3.60		
	Cum	1	23.5	0.5	0.15	1.76		
	Cum	1	23	0.5	0.30	3.45		
	Cum	1	22.5	0.5	0.15	1.69		
	Cum	1	21.9	0.5	0.30	3.29		
	Cum	1	21.1	0.5	0.15	1.58		
Rise	Cum	1	27.4	0.1	0.15	0.41		
	Cum	1	27	0.1	0.15	0.41		
	Cum	1	26.4	0.1	0.15	0.40		
	Cum	1	26	0.1	0.15	0.39		
	Cum	1	25.4	0.1	0.15	0.38		
	Cum	1	25	0.1	0.15	0.38		
	Cum	1	24.4	0.1	0.15	0.37		
	Cum	1	24	0.1	0.15	0.36		
	Cum	1	23.5	0.1	0.15	0.35		
	Cum	1	23	0.1	0.15	0.35		
GFL	Cum	1	22.5	0.1	0.15	0.34		
	Cum	1	21.9	0.1	0.15	0.33		
	Cum	1	21.1	0.1	0.15	0.32		
South Side								
Treads	Cum	1	27.5	0.5	0.15	2.06		
	Cum	1	27	0.5	0.30	4.05		
	Cum	1	26.5	0.5	0.15	1.99		
	Cum	1	26	0.5	0.30	3.90		
	Cum	1	25.5	0.5	0.15	1.91		
	Cum	1	25	0.5	0.30	3.75		
	Cum	1	24.5	0.5	0.15	1.84		
	Cum	1	24	0.5	0.30	3.60		
	Cum	1	23.5	0.5	0.15	1.76		
	Cum	1	23	0.5	0.30	3.45		
	Cum	1	22.5	0.5	0.15	1.69		
	Cum	1	21.95	0.5	0.30	3.29		
	Cum	1	21.45	0.5	0.15	1.61		
Rise	Cum	1	27.5	0.1	0.15	0.41		
	Cum	1	27	0.1	0.15	0.41		
	Cum	1	26.5	0.1	0.15	0.40		
	Cum	1	26	0.1	0.15	0.39		
	Cum	1	25.5	0.1	0.15	0.38		
	Cum	1	25	0.1	0.15	0.38		
	Cum	1	24.5	0.1	0.15	0.37		
	Cum	1	24	0.1	0.15	0.36		
	Cum	1	23.5	0.1	0.15	0.35		
	Cum	1	23	0.1	0.15	0.35		
	Cum	1	22.5	0.1	0.15	0.34		
	Cum	1	21.95	0.1	0.15	0.33		
	Cum	1	21.45	0.1	0.15	0.32		
	Cum	1	21.02	0.1	0.15	0.32		
West Side								
Treads	Cum	1	34.7	0.5	0.15	2.60		

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		Cum	1	33.7	0.5	0.30	5.06		
		Cum	1	32.8	0.5	0.15	2.46		
		Cum	1	31.7	0.5	0.30	4.76		
		Cum	1	30.6	0.5	0.15	2.30		
		Cum	1	29.7	0.5	0.30	4.46		
		Cum	1	28.8	0.5	0.15	2.16		
		Cum	1	27.7	0.5	0.30	4.16		
		Cum	1	26.65	0.5	0.15	2.00		
		Cum	1	25.7	0.5	0.30	3.86		
		Cum	1	24.8	0.5	0.15	1.86		
		Cum	1	23.55	0.5	0.30	3.53		
		Cum	1	22.5	0.5	0.15	1.69		
	Rise								
		Cum	1	34.7	0.1	0.15	0.52		
		Cum	1	33.7	0.1	0.15	0.51		
		Cum	1	32.8	0.1	0.15	0.49		
		Cum	1	31.7	0.1	0.15	0.48		
		Cum	1	30.6	0.1	0.15	0.46		
		Cum	1	29.7	0.1	0.15	0.45		
		Cum	1	28.8	0.1	0.15	0.43		
		Cum	1	27.7	0.1	0.15	0.42		
		Cum	1	26.65	0.1	0.15	0.40		
		Cum	1	25.7	0.1	0.15	0.39		
		Cum	1	24.8	0.1	0.15	0.37		
		Cum	1	23.55	0.1	0.15	0.35		
		Cum	1	22.5	0.1	0.15	0.34		
						Total Executed Quantity	126.06		
						Tender Quantity	95.80		
						Quantity Upto 125%	119.75	6010.30	719733.50
						Quantity Above 125%	6.31	6712.11	42345.40
Item No. 13	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level - 0 to 5 mtrs.Complete as per specifications and the directions of the Engineer-in-charge								
	Ground Floor								
	Centering								
	Slab	Sqm	1	13	5.05		65.65		
	Deduction	Sqm	-1	1.65	1.35		-2.23		
		Sqm	-2	7.95	1.6		-25.44		
	For Sump								
	Cover slab	Sqm	1	1.5	1.5		2.25		
						Total Executed Quantity	40.23	451.22	18153.80
						Tender Quantity	48.69		
Item No.14	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour Complete as per specifications and the directions of the Engineer-in-charge								
	Ground Floor								
	Slab	Sqm	2	13		0.15	3.90		
		Sqm	2	5.05		0.15	1.52		
		Sqm	2	3.2		0.15	0.96		
						Total Executed Quantity	6.38	851.69	5429.60
						Tender Quantity	7.95		
Item No. 15	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour Complete as per specifications and the directions of the Engineer-in-charge								
	Retaining wall								
	Base concrete	Sqm	8	4.05		0.20	6.48		
	wall concrete	Sqm	8	1.85		1.90	28.12		
	Shiva temple								
	base concrete	Sqm	4	4.02		0.20	3.22		
	wall concrete	Sqm	4	1.82		1.90	13.83		

	For Sump								
	Bottom slab	Sqm	1	6		0.15	0.90		
	Sump walls	Sqm	4	1.5		1.50	9.00		
		Sqm	4	1.2		1.50	7.20		
						Total Executed Quantity	**68.75**		
						Tender Quantity	**17.10**		
						Quantity Upto 125%	**21.38**	**291.04**	**6221.00**
						Quantity Above 125%	**47.37**	**291.04**	**13787.50**
No. 6	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., Complete as per specifications and the directions of the Engineer-in-charge								
	Ground Floor								
	Slab	Cum	1	13	5.05	0.15	9.85		
	Deduction	Cum	-1	1.65	1.35	0.15	-0.33		
		Cum	-2	7.95	1.6	0.15	-3.82		
						Total Executed Quantity	**5.70**	**6200.95**	**35329.20**
						Tender Quantity	**6.97**		
m No. 17	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc , including cost of all materials, labour, HOM of machinery, curing, Complete as per specifications and the directions of the Engineer-in-charge								
	Retaining wall								
	Base concrete	Cum	4	1.85	2.2	0.20	3.26		
	wall concrete	Cum	4	1.85	0.2	1.90	2.81		
	Shiva temple								
	base concrete	Cum	4	1.82	2.2	0.20	3.20		
	wall concrete	Cum	4	1.82	0.2	1.90	2.77		
	For sump								
	Bottom slab	Cum	1	1.50	1.50	0.15	0.34		
	Sump walls	Cum	2	1.50	0.15	1.50	0.68		
		Cum	2	1.20	0.15	1.50	0.54		
	Cover slab	Cum	1	1.50	1.50	0.15	0.34		
						Total Executed Quantity	**13.93**		
						Tender Quantity	**1.89**		
						Quantity Upto 125%	**2.36**	**6556.28**	**15489.30**
						Quantity Above 125%	**11.57**	**7351.67**	**85022.80**
tem No. 18	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery Complete as per specifications and the directions of the Engineer-in-charge								
	Ground Floor								
	Retaining wall	Cum	Concrete Quantity				12.04		
		kg	Steel assumed 130 Kg/Cum of Concrete				1564.89		
		tonne					**2.27**		
	Slab	Cum	Concrete Quantity				5.70		
		kg	Steel assumed 125 Kg/Cum of Concrete				712.17		
		tonne					**0.42**		
	Sump walls	Cum	Concrete Quantity				1.89		
		kg	Steel assumed 125 Kg/Cum of Concrete				236.25		
		tonne					**0.23**		
						Total Executed Quantity	**2.92**		
						Tender Quantity	**1.11**		
						Quantity Upto 125%	**1.39**	**72658.34**	**100813.50**
						Quantity Above 125%	**1.53**	**98611.62**	**150708.70**

o.	Providing 20mm square M.S footrest and fixing in manhole Nos 232.00 with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing Complete as per specifications and the directions of the Engineer-in-charge								
	For sump	No.s	3				3.00		
						Total Executed Quantity	3.00	311.34	934.10
						Tender Quantity	3.00		
No.)	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) 2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., Complete as per specifications and the directions of the Engineer-in-charge								
	Ground Floor								
	Longer Side	Sqm	2	12		0.45	10.80		
		Sqm	2	7.2		0.45	6.48		
	Shorter side	Sqm	1	7.3		0.45	3.29		
		Sqm	1	4.2		0.45	1.89		
	Room								
	Long Wall	Sqm	0	5.15		2.30	0.00		
					Triangular				
	Short wall	Sqm	0	4.9		2.30	0.00		
	Deduction								
	D	Sqm	0	0.9		2.10	0.00		
						Total Executed Quantity	22.46	1028.79	23101.50
						Tender Quantity	43.68		
m No. 21	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners, wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge								
	External Plastering								
	Ground Floor								
	Longer Side	Sqm	2	12		1.20	28.80		
		Sqm	2	7.2		1.20	17.28		
	Shorter side	Sqm	1	7.3		1.20	8.76		
		Sqm	1	4.2		1.20	5.04		
	Room								
	Long Wall	Sqm	0	5.15		2.30	0.00		
					Triangular				
	Short wall	Sqm	0	4.9		2.30	0.00		
	Deduction								
	D	Sqm	0	0.9		2.10	0.00		
						Total Executed Quantity	59.88	294.42	17629.90
						Tender Quantity	81.10		
tem No. 22	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge								
	Item Not Operated								
Item No. 23	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge								
	Item Not Operated								
Item No. 24	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. Complete as per specifications and the directions of the Engineer-in-charge								
	Item Not Operated								
Item No. 25	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, Complete as per specifications and the directions of the Engineer-in-charge								
	Item Not Operated								

o.	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 , KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof Complete as per specifications and the directions of the Engineer-in-charge								
	Above Shiva Statue								
		Sqm	1	13.5	13.2		178.20		
		Sqm	1	8.35	5		41.75		
	Beam	Sqm	4	13.2		0.55	29.04		
		Sqm	4	13.5		0.55	29.70		
						Total Executed Quantity	**278.69**	**133.11**	**37096.50**
						Tender Quantity	**303.92**		
1 No. 17	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, Complete as per specifications and the directions of the Engineer-in-charge								
	External painting								
	Ground Floor	Sqm	Same as External plastering +chajja plastering +Compound Wall plastering				59.88		
						Total Executed Quantity	**59.88**	**383.54**	**22966.40**
						Tender Quantity	**81.10**		
m No. 28	Providing and fixing for flooring 40mm thick sadarhalli grey flammed granite slab for bath areas in Bathrooms over a bed of 25mm thick CM 1:6 and fixing granite slab with CM 1:3 Complete as per specifications and the directions of the Engineer-in-charge								
	Flooring								
	North Side								
	Treads	Sqm	1	27.4	0.52		14.25		
		Sqm	1	27	0.52		14.04		
		Sqm	1	26.4	0.52		13.73		
		Sqm	1	26	0.52		13.52		
		Sqm	1	25.4	0.52		13.21		
		Sqm	1	25	0.52		13.00		
		Sqm	1	24.4	0.52		12.69		
		Sqm	1	24	0.52		12.48		
		Sqm	1	23.5	0.52		12.22		
		Sqm	1	23	0.52		11.96		
		Sqm	1	22.5	0.52		11.70		
		Sqm	1	21.9	0.52		11.39		
		Sqm	1	21.1	0.75		15.83		
	South Side								
	Treads	Sqm	1	27.4	0.52		14.25		
		Sqm	1	27	0.52		14.04		
		Sqm	1	26.4	0.52		13.73		
		Sqm	1	26	0.52		13.52		
		Sqm	1	25.4	0.52		13.21		
		Sqm	1	25	0.52		13.00		
		Sqm	1	24.4	0.52		12.69		
		Sqm	1	24	0.52		12.48		
		Sqm	1	23.5	0.52		12.22		
		Sqm	1	23	0.52		11.96		
		Sqm	1	22.5	0.52		11.70		
		Sqm	1	21.9	0.52		11.39		
		Sqm	1	21.1	0.75		15.83		
	Deduction								
	Ramp	Sqm	-1	7.95	1.85		-14.71		
	West Side								
	Treads	Sqm	1	34.7	0.52		18.04		
		Sqm	1	33.7	0.52		17.52		

		Sqm	1	32.8	0.52		17.06		
		Sqm	1	31.7	0.52		16.48		
		Sqm	1	30.6	0.52		15.91		
		Sqm	1	29.7	0.52		15.44		
		Sqm	1	28.8	0.52		14.98		
		Sqm	1	27.7	0.52		14.40		
		Sqm	1	26.65	0.52		13.86		
		Sqm	1	25.7	0.52		13.36		
		Sqm	1	24.8	0.52		12.90		
		Sqm	1	23.55	0.52		12.25		
		Sqm	1	22.5	0.75		16.88		
						Total Executed Quantity	524.39	2068.86	1084880.20
						Tender Quantity	686.44		
No. 9	Providing and fixing of wall cladding using 20 mm thick gang saw water cut granite in CM 1:3 proportion cut to required shape patron with paper joint finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm × 12mm grooves in joints including curing etc., complete - with grey granite 20mm thick gang saw with minimum width 1200Complete as per specifications and the directions of the Engineer-in-charge								
	At Kalyani wall								
	East Side								
	Wall Cladding	Sqm	0	20.95		3.08	0.00		
		Sqm	0	8.1		1.54	0.00		
		Sqm	0	7.5		1.54	0.00		
	For Colums								
		Sqm	12	0.55		3.28	21.65		
	At Shiva Temple Ramp								
	Slab	Sqm	1	13	5.05		65.65		
	Deduction	Sqm	-1	1.65	1.35		-2.23		
		Sqm	-2	7.95	1.6		-25.44		
	North Side								
	Rise	Sqm	1	27.4		0.15	4.11		
		Sqm	1	27		0.15	4.05		
		Sqm	1	26.4		0.15	3.96		
		Sqm	1	26		0.15	3.90		
		Sqm	1	25.4		0.15	3.81		
		Sqm	1	25		0.15	3.75		
		Sqm	1	24.4		0.15	3.66		
		Sqm	1	24		0.15	3.60		
		Sqm	1	23.5		0.15	3.53		
		Sqm	1	23		0.15	3.45		
		Sqm	1	22.5		0.15	3.38		
		Sqm	1	21.9		0.15	3.29		
		Sqm	1	21.1		0.15	3.17		
	South Side								
	Rise	Sqm	1	27.4		0.15	4.11		
		Sqm	1	27		0.15	4.05		
		Sqm	1	26.4		0.15	3.96		
		Sqm	1	26		0.15	3.90		
		Sqm	1	25.4		0.15	3.81		
		Sqm	1	25		0.15	3.75		
		Sqm	1	24.4		0.15	3.66		
		Sqm	1	24		0.15	3.60		
		Sqm	1	23.5		0.15	3.53		
		Sqm	1	23		0.15	3.45		
		Sqm	1	22.5		0.15	3.38		
		Sqm	1	21.9		0.15	3.29		
		Sqm	1	21.1		0.15	3.17		
	West Side								
	Rise	Sqm	1	34.7		0.15	5.21		
		Sqm	1	33.7		0.15	5.06		
		Sqm	1	32.8		0.15	4.92		
		Sqm	1	31.7		0.15	4.76		

o.	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all Complete as per specifications and the directions of the Engineer-in-charge									
	For sump									
	Bottom slab	Sqm	1	1.5	1.5		2.25		
	Sump walls	Sqm	2	1.5		1.50	4.50		
		Sqm	2	1.2		1.50	3.60		
	Cover slab	Sqm	1	1.5	1.5		2.25		
						Total Executed Quantity	**12.60**	**593.36**	**7476.40**
						Tender Quantity	**12.60**		
1 No. 37	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc , complete including cost of materials, labour, HOM of machineries and electrical charges, etc., Complete as per specifications and the directions of the Engineer-in-charge									
	Top Platform									
	north side	Sqm	1	13.1		1.20	15.72		
	west side	Sqm	1	12.95		1.20	15.54		
	east side	Sqm	2	7.8		1.20	18.72		
	south side	Sqm	2	17.65		1.20	42.36		
						Total Executed Quantity	**92.34**		
						Tender Quantity	**45.54**		
						Quantity Upto 125%	**56.93**	**6792.05**	**386637.50**
						Quantity Above 125%	**35.42**	**6792.05**	**240540.50**
m No. 38	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar including cutting, griding the edge to half/full round wherever required, labour, curing Complete as per specifications and the directions of the Engineer-in-charge									
	Platform	Cum	1.00	5.50	9.15		50.33		
		Cum	1.00	1.89	0.60		1.13		
						Total Executed Quantity	**51.46**	**1389.77**	**71516.20**
						Tender Quantity	**51.46**		
em No. 39	Providing and laying/fixing Submersible Pump 5HP/3.7kw, 12 Stage , Complete as per specifications and the directions of the Engineer-in-charge									
	Submersible pump	Unit	2				2.00		
						Total Executed Quantity	**2.00**	**35451.54**	**70903.10**
						Tender Quantity	**2.00**		
tem No. 40	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe. Complete as per specifications and the directions of the Engineer-in-charge									
	110mm Dia	m	1	29.00			29.00		
						Total Executed Quantity	**29.00**	**489.58**	**14197.90**
						Tender Quantity	**29.00**		
	CHILDREN'S PLAY EQUIPMENTS									
Item No. 41	Supply and fixing of childern Play Equipment Two seater seesaw : The See Saw consists of 2 poles of Dia 114mm and thickness of 2.5mm which balances the horizontal rod at the center which is of size 3110 mm length and Dia 114 mm. It consists of 2 seats which is made of LLDPE virgin plastic of size 305mm X 213 mm X 125 mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges Complete as per specifications and the directions of the Engineer-in-charge									
		Each	1				1.00		
						Total Executed Quantity	**1.00**	**87192.77**	**87192.77**
						Tender Quantity	**1.00**		

	Supply and fixing of childern Play Equipment Fiero A Swing : Shaped structural posts of height 2.31 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. Plastic Components such as swing seats [super thick plastic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 - 8mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges Complete as per specifications and the directions of the Engineer-in-charge								
		Each	1				1.00		
						Total Executed Quantity	1.00	132538.69	132538.69
						Tender Quantity	1.00		
	Supply and fixing of childern Play Equipment Monkey Bars - E : Support posts of height 2.15 m are to be schedule Galvanized steel with a 114 mm OD {Outer Diameter}.All the posts are to be finished with a baked on powder coat finish. Handrail of size 1.3 m and Dia 48 mm shall be an welded unit, fabricated from 48 O.D. galvanized steel pipes with a baked on powder coating finish. Bolts, nuts, screws, washers and etc used for assembly shall be stainless steel 304 grade and shall be of tamper resistant stainless steel. Electro - statically applied polyester powder must have a tough finish with maximum durability. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges Complete as per specifications and the directions of the Engineer-in-charge								
		Each	1				1.00		
						Total Executed Quantity	1.00	203186.59	203186.59
						Tender Quantity	1.00		
No.	Supply and fixing of childern Play Equipment Four Seater Seesaw : SPECIFICATIONS The See Saw consists of 2 poles of Dia 114mm and thickness of 2.5mm which balances the horizontal rod at the center which is of size 3110 mm length and Dia 114 mm. It consists of 4 seats which is made of LLDPE virgin plastic of size 305mm X 213 mm X 125 mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges Complete as per specifications and the directions of the Engineer-in-charge								
		Each	1				1.00		
						Total Executed Quantity	1.00	112012.18	112012.18
						Tender Quantity	1.00		
No. 5	Supply and fixing of childern Multi Play Equipment with curved slide and number panel : Upright structural posts of height 2.4 m, 2.7 m, 3.3 m schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. All metal components are to be finished with a baked on powder coat finish.With deck of size 1.45 x 1.45m and Staircase of size 1.5m x 0.77 m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments. Decks are pressed, punched, and welded sand blasted and vinyl plastic coated to a thickness of 4mm. Along with Handrail of height 2.2 m and Dia 32 mm shall be an all-robotic welded unit, fabricated from 32 O.D. galvanized steel pipes with a baked on powder coating finish.Curved Slide of size 1.94 m x 1.85 m x 2.4 m, Panels,Toprails Of Monkey loop of size 1.8 m x 1.3 m.Deck of size 1.45 x 1.45m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments. Decks are pressed, punched, and welded sand blasted and vinyl plastic coated to a thickness of 4mm. Roof of size Dia 2 m and height 0.82 m, Spiral Slide of size 1.16 m x 1.6 m x 3.6 m, Panels The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges Complete as per specifications and the directions of the Engineer-in-charge								
		Each	1				1.00		
						Total Executed Quantity	1.00	2299252.63	2299252.63
						Tender Quantity	1.00		
m No. 46	Supply and fixing of childern Play Equipment Hexa climber : Upright structural posts of height 2.6 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. Top rail Bars Dia 32 mm are all robotic welded fabricated from 48MM O.D. galvanized steel pipes for the outer bars and 32 mm OD galvanized steel for the inner parallel bars with a baked on powder coat finish. Net Climber of size 2.1 m are all robotic welded fabricated from 32 O.D. galvanized steel pipes for the outer pipes and 25mm O.D. galvanized steel for the inner parallel bars with a baked on powder coat finish. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges Complete as per specifications and the directions of the Engineer-in-charge								
		Each	1				1.00		
						Total Executed Quantity	1.00	224985.30	224985.30
						Tender Quantity	1.00		

	Supply and fixing of childern Play Equipment Merry go round - DX : The Merry go round consists of a round platform which is made of galvanized steel and has a thickness of 2.5 mm. It is also power coated with the thickness of 2.5 mm. It is of Dia 1210 mm. It has 3 inverted "L" shaped handrails which is made of Galvanized steel and of dimensions as 474 mmx 815 mm. It has thickness of Dia 32 mm. The 3 handrails are separated exactly. All the 3 handrails are connected to the Centre with the help of a rod which is also made of Galvanized steel and of Dia 48 mm and height 815 mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges Complete as per specifications and the directions of the Engineer-in-charge								
		Each	2				2.00		
						Total Executed Quantity	2.00	88824.28	177648.56
						Tender Quantity	2.00		
o.	Supply and fixing of childern Play Equipment Puppy dog Rider / Elephant rider / Horse rider : : HDPE of size 0.83 m x 0.31 m x 0.87 m, Plastic Components [super thick plastic] shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with "color molded" in not "added in". All rotational molding is carried out in state of the art, precision, bi axial roto moulding machines which helps achieve guaranteed uniform wall thickness, seamless joints, accurate process control, one part construction to make it stress free. Specialized connectors such as clamps and couplings are to be cast from aluminium which is pre-treated, and cured, with a baked on powder coat finish.The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges Complete as per specifications and the directions of the Engineer-in-charge								
		Each	4				4.00		
						Total Executed Quantity	4.00	58258.03	233032.12
						Tender Quantity	4.00		
	Gym Items								
No. 9	Supply & fixing of Elliptical Cross Trainer: All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2 5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 845 MM x 865 MM x 1710 MM . Capacity 1 person. Inclusive of All Taxes and Transportation Charges Complete as per specifications and the directions of the Engineer-in-charge								
		Each	1				1.00		
						Total Executed Quantity	1.00	182787.50	182787.50
						Tender Quantity	1.00		
cm No. 50	Supply & fixing of Seated Chest Press : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2 5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1955 MM x 730 MM x 1955 MM . Capacity 2 persons. Inclusive of All Taxes and Transportation Charges Complete as per specifications and the directions of the Engineer-in-charge								
		Each	1				1.00		
						Total Executed Quantity	1.00	300293.75	300293.75
						Tender Quantity	1.00		

o.	Supply & fixing of Tai Chi Spinners : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1150 MM x 1120 MM x 1620 MM . Capacity 2 persons. Inclusive of All Taxes and Transportation Charges Complete as per specifications and the directions of the Engineer-in-charge								
		Each	1				1.00		
						Total Executed Quantity	1.00	150146.88	150146.88
						Tender Quantity	1.00		
1 No. 12	Supply & fixing of HD Health Walker :All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out in excess of at least 50 public park projects in India either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Footplates made of alloys of Nylon having good thermal stability. Internal Limited means no bump stops or crush points. Bearings : Maintenance-free ball bearings. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1070 MM x 615 MM x 1360 MM . Capacity 1 person. Inclusive of All Taxes and Transportation Charges Complete as per specifications and the directions of the Engineer-in-charge								
		Each	1				1.00		
						Total Executed Quantity	1.00	182787.50	182787.50
						Tender Quantity	1.00		
tem No. 53	Supply & fixing of HD Waist Twister :All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out in excess of at least 50 public park projects in India either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Footplates made of alloys of Nylon having good thermal stability. Internal Limited means no bump stops or crush points. Bearings : Maintenance-free ball bearings. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1460 MM x 1310 MM x 1150 MM . Capacity 3 persons. Inclusive of All Taxes and Transportation Charges Complete as per specifications and the directions of the Engineer-in-charge								
		Each	1				1.00		
						Total Executed Quantity	1.00	169731.25	169731.25
						Tender Quantity	1.00		

KSRRB M2100 Excavation in Marshy soil KSRRB 2100-5. Excavation in marshy soil upto 3m depth for foundations of structures as per drawing and technical specifications including removing the excavated stuff to a lead of 15m., including dewatering , shoring and shuttering, refilling trenches in 250mm layers, wherever necessary watering and ramming, including cost of all materials, labour complete as per specifications. MORTH Chapter 12 KBS Pg No 221, Item No 27.11

Retaining wall									
Base concrete	Cum	4	1.85	2.4	1.40	24.86		
Shiva temple									
base concrete	Cum	4	1.82	2.2	1.40	22.42		
						Total Executed Quantity	47.29		
						Now To be Paid Qty	47.29	1017.51	48114.40

Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification page no 111 item no 14.56

Nosing									
North Side									
Treads	m	1	27.4			27.40		
	m	1	27			27.00		
	m	1	26.4			26.40		
	m	1	26			26.00		
	m	1	25.4			25.40		
	m	1	25			25.00		
	m	1	24.4			24.40		
	m	1	24			24.00		
	m	1	23.5			23.50		
	m	1	23			23.00		
	m	1	22.5			22.50		
	m	1	21.9			21.90		
	m	1	21.1			21.10		
South Side									
Treads	m	1	27.4			27.40		
	m	1	27			27.00		
	m	1	26.4			26.40		
	m	1	26			26.00		
	m	1	25.4			25.40		
	m	1	25			25.00		
	m	1	24.4			24.40		
	m	1	24			24.00		
	m	1	23.5			23.50		
	m	1	23			23.00		
	m	1	22.5			22.50		
	m	1	21.9			21.90		
	m	1	21.1			21.10		
Deduction									
Ramp	m	-1	7.95			-7.95		
West Side									
Treads	m	1	34.7			34.70		
	m	1	33.7			33.70		
	m	1	32.8			32.80		
	m	1	31.7			31.70		
	m	1	30.6			30.60		
	m	1	29.7			29.70		
	m	1	28.8			28.80		
	m	1	27.7			27.70		
	m	1	26.65			26.65		
	m	1	25.7			25.70		
	m	1	24.8			24.80		
	m	1	23.55			23.55		

		m	1	22.5			22.50		
						Total Executed Quantity	1000.15		
						Now To be Paid Qty	1000.15	203.05	203081.30
								Childrens play Equipments and Gym Equipments	4455595.80
								Kalyani	5162114.80
								GST Charges (12% of estimated cost)	619453.80
								Grand Total	10237164.40

Assistant Engineer
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP YSD-20)
Yelahanka, Bangalore

Executive Engineer
BBMP

Technical Sanction
Accorded for 102.37 lakhs
Head of A/c P-3853
CER NO : 99 Dt: 26/4/2022

TA